Appl. No. 09/925,135
Amdt. dated April 26, 2005
Reply to Final Office Action of January 27, 2005

AFTER FINAL EXPEDITED PROCEDURE

This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A structure comprising:
     a scatter/gather list comprising a plurality of scatter/gather list sections~~,~~ stored in a memory~~, comprising a scatter/gather list~~, wherein at least one scatter/gather list section in said plurality of scatter/gather list sections comprises:
           a plurality of data elements, wherein each
      data element comprises:
                 an end-of-list flag; and
                 an end-of-section flag.

2. (Original) The scatter/gather list of Claim 1 wherein said end-of-list flag has a same value in said each data element.

3. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a same value in said each data element.

4. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a first value in a last data element in said plurality of data elements, and a second value in all other data elements in said plurality of data elements.

5. (Original) The scatter/gather list of Claim 4 wherein said end-of-list flag has a same value in said each data element.

6. (Original) The scatter/gather list of Claim 4 wherein said end-of-list flag has a first value in said last data element in said plurality of data elements, and a

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second value in all other data elements in said plurality of data elements.

7. (Original) The scatter/gather list of Claim 1 wherein said end-of-list flag has a size of one bit.

8. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a size of one bit.

9. (Original) The scatter/gather list of Claim 1 wherein said each data element further comprises:
    an address field.

10. (Original) The scatter/gather list of Claim 9 wherein said end-of-list flag, and said end-of-section flag are included within said address field.

11. (Original) The scatter/gather list of Claim 1 wherein said each data element further comprises:
    a length field.

12. (Original) The scatter/gather list of Claim 9 wherein said each data element further comprises:
    a length field.

13. (Original) The scatter/gather list of Claim 1 wherein said at least one scatter/gather list section further comprises:
    a link element comprising:
    an end-of-list flag; and
    an end-of-section flag.

14. (Currently Amended) A structure comprising:
    a scatter gather list comprising a plurality
    of scatter/gather list sections stored in a memory
    comprising a scatter/gather list wherein at least

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one scatter/gather list section in said plurality
of scatter/gather list sections comprises:

a plurality of data elements, wherein each
data element comprises:

an end-of-list flag;

an end-of-section flag;

an address field having a data segment
address; and

a length field having a data segment
length; and

a link element comprising:

an end-of-list flag;

an end-of-section flag; and

an address field having a next list
section address.

15.   (Currently Amended) A structure comprising:

a scatter/gather list comprising a plurality of
scatter/gather list sections stored in a memory
comprising a scatter/gather list wherein at least one
scatter/gather list section in said plurality of
scatter/gather list sections comprises:

a plurality of data elements, wherein each
data element consists of:

an address field comprising:

a data segment address;

an end-of-list flag; and

an end-of-section flag; and

a link element consisting of:

an address field comprising:

a next list section address;

an end-of-list flag; and

an end-of-section flag.

16.   (Currently Amended) A structure comprising:

a memory comprising a scatter/gather list
comprising a plurality of scatter/gather list sections

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wherein at least one scatter/gather list section in
said plurality <u>of scatter/gather list sections</u>
comprises:

    a plurality of data elements wherein each
data element comprises:

        an end-of-list flag; and
        an end-of-section flag.

17.   (Original)   The structure of Claim 16 wherein said
at least one scatter/gather list section further comprises:
    a link element comprising:
        an end-of-list flag; and
        an end-of-section flag.

18.   (Currently Amended)   A structure comprising:
    a memory comprising a scatter/gather list
comprising a plurality of scatter/gather list sections
wherein at least one scatter/gather list section in
said plurality <u>of scatter/gather list sections</u>
comprises:

    a plurality of data elements, wherein each
data element comprises:

        an end-of-list flag;
        an end-of-section flag;
        an address field having a data segment
address; and
        a length field having a data segment
length; and
    a link element comprising:
        an end-of-list flag;
        an end-of-section flag; and
        an address field having a next list
section address.

19.   (Previously Presented)   A method comprising:

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storing a scatter/gather list as a plurality of sections in a memory, wherein each section includes a plurality of elements wherein each element comprises:

an address;

an end-of-list flag; and

an end-of-section flag;

setting an end-of-list flag in a last element of a last section in said plurality of sections; and

setting an end-of-section flag in at least one of said plurality of sections other than said last section.

20.   (Previously Presented)   The method of Claim 19 wherein said setting an end-of-section flag is performed on a last element in said at least one of said plurality of sections other than said last section.

21.   (Original)   The method of Claim 19 wherein said setting an end-of-section flag is performed on a link element in said at least one of said plurality of sections other than said last section.

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